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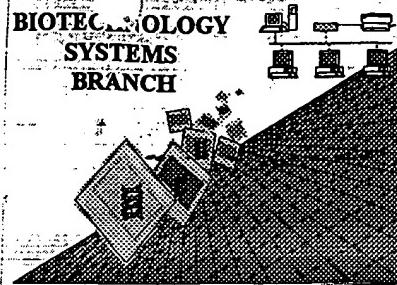
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0500

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/734,847
Source: O1PE
Date Processed by STIC: 12/28/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/034,847

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | |
|----|---------------------------------------|--|
| 1 | ____ Wrapped Nucleics | The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 2 | ____ Wrapped Aminos | The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 3 | ____ Incorrect Line Length | The rules require that a line not exceed 72 characters in length. This includes spaces. |
| 4 | ____ Misaligned Amino Acid Numbering | The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers. |
| 5 | ____ Non-ASCII | This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed. |
| 6 | ____ Variable Length | Sequence(s) ____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. |
| 7 | ____ PatentIn ver. 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 8 | ____ Skipped Sequences (OLD RULES) | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). |
| 9 | ____ Skipped Sequences (NEW RULES) | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 10 | ____ Use of n's or Xaa's (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 11 | ____ Use of <213>Organism (NEW RULES) | Sequence(s) ____ are missing this mandatory field or its response.

<u>39</u> |
| 12 | ____ Use of <220>Feature (NEW RULES) | Sequence(s) ____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules) |
| 13 | ____ PatentIn ver. 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk. |

#2

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/734,847

DATE: 12/28/2000
 TIME: 08:33:18

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 Output Set: N:\CRF3\12282000\I734847.raw

Does Not Comply
 Corrected Diskette Needed

see p.6

4 <110> APPLICANT: Bennett, C. Frank
 5 Crooke, Stanley T.
 6 Manoharan, Muthiah
 7 Wyatt, Jacqueline R.
 8 Baker, Brenda F.
 9 Monia, Brett P.
 10 Freir, Susan
 11 McKay, Robert
 12 Karras, James G.
 14 <120> TITLE OF INVENTION: Alteration of Cellular Behavior by Antisense Modulation of mRNA Processing
 16 <130> FILE REFERENCE: ISPH-0524
 OK > 18 <140> CURRENT APPLICATION NUMBER: US/09/734,847
 18 <141> CURRENT FILING DATE: 2000-12-12
 18 <150> PRIOR APPLICATION NUMBER: 09/167,921
 19 <151> PRTOR FILING DATE: 1998-10-07
 21 <150> PRTOR APPLICATION NUMBER: 09/277,020
 22 <151> PRTOR FILING DATE: 1999-03-26
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/734,847

DATE: 12/28/2000
TIME: 08:33:18

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Output Set: N:\CRF3\12282000\I734847.raw

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124 ctggcacagggt cccgglatgc agtctatftt ttgttgatgg ctctgtatctt aatgtttca 180
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RAW SEQUENCE LISTING DATE: 12/28/2000
 PATENT APPLICATION: US/09/734,847 TIME: 08:33:18

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 141 acattcagaa qgaaaaactg atcggccataa aqttcatctc aaaaattgtt qatgtttteta 1200
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/734,847

DATE: 12/28/2000
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/734,847

DATE: 12/28/2000
TIME: 08:33:18

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Output Set: N:\CRF3\12282000\I734847.raw

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09/734,847

6

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see item 12 on Error Summary Sheet

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/734,847

DATE: 12/28/2000
TIME: 08:33:19

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Output Set: N:\CRF3\12282000\I734847.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:507 M:258 W: Mandatory Feature missing, <220> FEATURE:
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